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1. Document ID: DE 4102907 A, EP 569368 A1, WO 9213824 A1

L2: Entry 1 of 1

File: DWPI

Aug 6, 1992

DERWENT-ACC-NO: 1992-269752

DERWENT-WEEK: 199233

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TITLE: New bis-(2,5-di:aminophenoxy)-oxa:alkane cpds. - useful as developer in oxidn. hair dye giving uniform colour

INVENTOR: HOEFFKES, H; ROSE, D ; LIESKE, E

PRIORITY-DATA: 1991DE-4102907 (January 31, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4102907 A	August 6, 1992		006	C07C217/84
EP 569368 A1	November 18, 1993	G	000	C07C217/84
<u>WO 9213824 A1</u>	August 20, 1992	G	013	C07C217/84

INT-CL (IPC): A61K 7/13; C07C 217/84

ABSTRACTED-PUB-NO: DE 4102907A

BASIC-ABSTRACT:

New bis-(2,5-diaminophenoxy)-oxalkanes of formula (I) are claimed. n = 2 or 3; x = 1-3.

A hair dye contains (I) or a water-soluble salt, a carrier, and a coupler for oxidn. hair dyes, esp. resorcinol, naphthol, aminophenol or hydroxypyridine. A hair dye compsn. contains as carrier an aq. gel with 1-20 wt.% of a soap or an oil-in-water emulsion with 1-25% of a fatty component and 0.5-30% of a surface-active emulsifier, and 0.05-10 mmols of (I) w.r.t. 100g of compsn.

USE/ADVANTAGE - Use of (I) or water-soluble salts as developer to give oxidn. dyeings is claimed. The oxidn. dyes bond well to hair and other keratin fibres, give uniform colour on damaged hair, and resist repeated shampooing.

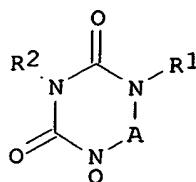
Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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I

AB Alloxan and isobarbituric acid derivs. I ($R_1, R_2 = H$, C1-4 alkyl, C2-4 hydroxyalkyl, C2-4 acyl, Ph, $PhCH_2$; A = CH_2 , C:O) are useful for dyeing keratin fibers, esp. human hair. I confer yellow nuances when used alone.

or can be combined with amines, amino acids, peptides, or N-contg. heterocycles to provide brilliant yellow, red, or violet colors which are fast towards light, washing, and friction. Thus, a suspension contg. alloxan 1, 1,3-bis(2,4-diaminophenoxy)propane-4HCl 1, and NaOAc 1 mmol in 100 mL water was heated to boiling, cooled, filtered, and adjusted to pH 6. The resulting soln. conferred a brown color on gray hair.

L2 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:248743 CAPLUS
 DN 122:38518
 TI Isatin-containing compositions as hair dyes
 IN Moeller, Hinrich; Hoeffkes, Horst
 PA Henkel KGaA, Germany
 SO Ger. Offen., 13 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4314317	A1	19941103	DE 1993-4314317	19930430
	WO 9424988	A1	19941110	WO 1994-EP1246	19940421
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 695162	A1	19960207	EP 1994-915084	19940421
	EP 695162	B1	19970618		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
	JP 08509478	T2	19961008	JP 1994-523838	19940421
	AT 154509	E	19970715	AT 1994-915084	19940421
	ES 2105707	T3	19971016	ES 1994-915084	19940421
US 5616150	A	19970401	US 1995-535261	19951030	
PRAI	DE 1993-4314317		19930430		
	WO 1994-EP1246		19940421		
OS	MARPAT	122:38518			
IT	62-53-3D, Aniline, derivs.	65-49-6, 4-Aminosalicylic acid	72-17-3,		
	Sodium lactate	77-86-1	78-90-0, 1,2-Diaminopropane	78-91-1,	
	2-Aminopropanol	87-51-4, 1H-Indole-3-acetic acid, biological studies			
	88-21-1, 2-Aminobenzenesulfonic acid	89-57-6, 5-Aminosalicylic acid			
	91-21-4	91-56-5, Isatin	91-56-5D, Isatin, derivs.	91-95-2,	
	3,3',4,4'-Tetraaminodiphenyl	96-54-8, 1-Methylpyrrole	99-05-8,		
	3-Aminobenzoic acid	99-31-0, 5-Aminoisophthalic acid	101-77-9,		
	4,4'-Diaminodiphenylmethane	103-76-4, 1-(2-Hydroxyethyl)piperazine			
	103-82-2, 2-Phenylacetic acid, biological studies	107-15-3,			
	1,2-Ethanediamine, biological studies	109-76-2, 1,3-Diaminopropane			
	109-96-6, 3-Pyrroline	109-97-7, Pyrrole	110-00-9, Furan	110-02-1,	
	Thiophene	110-76-9, 2-Ethoxyethylamine	110-85-0, Piperazine,		
	biological studies	110-89-4, Piperidine, biological studies	111-40-0		
	111-41-1, 2-(2-Aminoethylamino)ethanol	115-69-5,			
	-Amino-2-methylpropane-				
	1,3-diol	116-63-2, 4-Amino-3-hydroxynaphthalene-1-sulfonic acid			
	118-92-3, 2-Aminobenzoic acid	119-59-5, 4,4'-Diaminodiphenyl sulfoxide			

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(FILE 'HOME' ENTERED AT 09:01:47 ON 02 APR 2002)

FILE 'CPLUS' ENTERED AT 09:02:20 ON 02 APR 2002
S 159661-45-7/REG#

L1 FILE 'REGISTRY' ENTERED AT 09:02:43 ON 02 APR 2002
1 S 159661-45-7/RN

L2 FILE 'CPLUS' ENTERED AT 09:02:43 ON 02 APR 2002
23 S L1
L3 23 S L1 AND DYE?

FILE 'STNGUIDE' ENTERED AT 09:05:47 ON 02 APR 2002